

7-29-05

TRW 2682  
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REFERENCE & ASSOCIATES  
Information Disclosure Statement Transmittal

Atty. Docket No. YOR920010342US1  
(590.070)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Scott K. Reynolds  
Serial No. : 10/039,247 Examiner: West, Lewis G.  
Filed : January 04, 2002 Art Unit: 2682  
For : TWO-STAGE VARIABLE-GAIN MIXER EMPLOYING SHUNT FEEDBACK

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL**

HON. COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria VA 22313-1450

Sir:

Transmitted herewith is an Information Disclosure Statement filed in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. The items listed on Form PTO-1449 (or Forms PTO/SB/08A and PTO/SB/08B), a copy of which is enclosed, may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. The submission of this Information Disclosure Statement shall not be construed as a representation that a search has been made or that no other items than those identified herein exist. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.

1. ☐ For each of the following items listed on the enclosed copy of Form PTO-1449 (or Forms PTO/SB/08A and PTO/SB/08B) that is not in the English language, an English language translation of that item or a portion thereof or a concise explanation of the relevance of that item is enclosed:

A:  
B:

2. ☐ For each of the following items listed on the enclosed copy of Form PTO-1449 or (or Forms PTO/SB/08A and PTO/SB/08B) that is not in the English language, a concise explanation of the relevance of that item is incorporated in the specification of the above-identified application.

08/02/2005 CNGUYEN2 00000010 500510 10039247

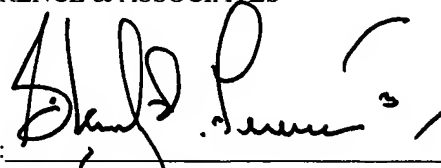
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3. ☐ Any copy of the items listed on the enclosed copy of Form PTO-1449 (or Forms PTO/SB/08A and PTO/SB/08B) that is not enclosed with this Information Disclosure Statement was previously cited by or submitted to the Patent and Trademark Office in the prior ☐ Continuation, ☐ Divisional or ☐ Continuation-In-Part application under 37 C.F.R. § 1.60, U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_.
4. ☐ No fee is due under 37 C.F.R. § 1.17(p) for this Information Disclosure Statement since it is being filed in compliance with:
- ☐ 37 C.F.R. § 1.97(b)(1), within three months of the filing date of the above-identified application.
  - ☐ 37 C.F.R. § 1.97(b)(2), within three months of the date of entry into the national stage as set forth in § 1.491 in an international application.
  - ☐ 37 C.F.R. § 1.97(b)(3), before the mailing date of a first Office action on the merits.
5. ☐ No fee is due under 37 C.F.R. § 1.17(p) for this Information Disclosure Statement since it is being filed in compliance with 37 C.F.R. § 1.97(c), after the period specified in paragraph 4 above but before the mailing date of a final action or a Notice of Allowance (where there has been no prior final action), and is accompanied by one of the verifications pursuant to 37 C.F.R. § 1.97(e) set forth in paragraph 9 below.
6. ☒ A fee is due under 37 C.F.R. § 1.17(p) for this Information Disclosure Statement since it is being filed in compliance with 37 C.F.R. § 1.97(c), after the period specified in paragraph 4 above but before the mailing date of a final action or a notice of allowance (where there has been no prior final action):
- ☐ A check in the amount of \$180.00 is enclosed in payment of the fee.
  - ☒ Please charge **IBM Corporation Deposit Account No. 50-0510** the amount of \$180.00, to cover the fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or credit **Deposit Account No. 50-0510** as required to correct the error.
7. ☐ A fee is due under 37 C.F.R. § 1.17(i) for this Information Disclosure Statement since it is being filed in compliance with 37 C.F.R. § 1.97(d), after the mailing date of a final action or a notice of allowance, whichever comes first, but before payment of the issue fee, and is accompanied by:
- a. one of the certifications pursuant to 37 C.F.R. § 1.97(e) set forth in paragraph 9 below; and
  - b. the attached petition requesting consideration of this Information Disclosure Statement; and
  - c. the fee due under 37 C.F.R. § 1.17(i) which is paid as set forth in paragraph 10 below.
8. ☐ A fee is due under 37 C.F.R. § 1.17(i) for this Information Disclosure Statement since it is being filed in compliance with:

- a. ☐ 37 C.F.R. § 1.313(b)(3), after the issue fee has been paid and information cited in this Information Disclosure Statement may render at least one claim unpatentable and is accompanied by the attached Petition To Withdraw Application From Issue.
- b. ☐ 37 C.F.R. § 1.313(b)(5), after the issue fee has been paid and information cited in this Information Disclosure Statement is to be considered in a Continuation application upon abandonment of the instant application and is accompanied by the attached Petition To Withdraw Application From Issue.
- c. ☐ The fee due under 37 C.F.R. § 1.17(i) is paid as set forth in paragraph 10 below.
9. ☐ I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- ☐ I hereby certify that no item of information in the Information Disclosure Statement filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
10. ☐ A check in the amount of \$130.00 is enclosed in payment of the fee due under 37 C.F.R. § 1.17(i).

Respectfully submitted,

FERENCE & ASSOCIATES

By:   
Stanley D. Ference III  
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Dated: July 28, 2005

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Docket No. YOR920010342US1  
(590.070)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Scott K. Reynolds                      Group Art: 2682  
Serial No. : 10/039,247                      Examiner: West, Lewis G.  
Filed : January 4, 2002  
For : TWO-STAGE VARIABLE-GAIN MIXER EMPLOYING SHUNT  
FEEDBACK

**EXPRESS MAIL CERTIFICATE**

Express Mail Label No. **EV 736791407US**

Date of Deposit 28 July 2005

I hereby certify that the following attached paper(s) or fee:

Information Disclosure Statement Transmittal including fee  
Form PTO/SB/08A  
Form PTO/SB/08B

Copies of the following references:

- U.S. Patent No. 4,485,359 to Talbot et. al.,
- U.S. Patent No. 5,548,840 to Heck (8/20/96),
- U.S. Patent No. 5,497,123 to Main et. al. (3/5/96),
- U.S. Patent No. 5,886,547 to Durec et. al. (3/23/99),
- B. Gilbert, IEEE JSSC, Vol. 32, No. 9, Sept. 97, and
- C. Trask, Electronics World, Vol. 106, No. 1773, Sept. 00.

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Stanley D. Ference III

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JUL 28 2005

PTO/SB/08A (07-05)

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 1

of	1
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Application Number

10/039.247

Filing Date

01/04/2002	
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First Named Inventor

Scott K. Reynolds
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### Art Unit

2682

Examiner Name

West, Lewis G.
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Attorney Docket Number

YOR920010342US1 (590.070)
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## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

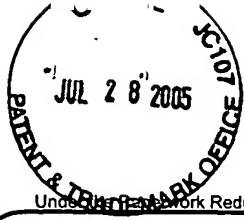
Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/039,247
Filing Date	01/04/2002
First Named Inventor	Scott K. Reynolds
Art Unit	2682
Examiner Name	West, Lewis G.
Attorney Docket Number	YOR920010342US1 (590.070)

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BARRIE GILBERT, The Micromixer: A Highly Linear Variant of the Gilbert Mixer Using a Bisymmetric Class-AB Input Stage, Sept. 1997, p. 1412-1423, Vol. 32 NO. 9, IEEE JSSC, USA	
		CHRIS TRASK, A New Low-IMD Mixer, Sept. 2000, pp. 680-685, Vol. 106 No. 1773, Electronics World, USA	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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